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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXVII, No. 2 4 **February, 1978**

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PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1978 averaged 76,874 barrels daily, a decrease of 5,603 barrels from the average 82,477 production in January, 1978.

The six refineries in the state processed 121,221 barrels of crude oil daily for the month of February, a decrease of 7,511 barrels from the 128,732 barrels processed daily during the month of January, 1978.

During February, 49 wells were completed, 8 oil, 14 gas, and 27 dry holes.

During February, the board issued 23 permits to drill new wells, a decrease of 25 from the 48 permits issued during January, 1978.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF FEBRUARY, 1978

IN STORAGE FEBRUARY 1st	
By Producers	374,177
By Transporters	1,438,865
By Refiners	1,559,506
TOTAL STORAGE	3,372,548
Produced in Mont. During Month	2,152,482
Imported During Month	2,785,029
TOTAL	8,310,059
DISPOSITION	
Refined in Montana	3,736,752
Exported	1,537,551
Used for Fuel or Lost	2,877
TOTAL	5,277,180
IN STORAGE FEBRUARY 28th	
By Producers	367,163
By Transportation	1,448,771
By Refiners	1,216,945
TOTAL STORAGE	3,032,879

REFINERS MONTHLY REPORT
February 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	219,897	244,477	.....	290,205	714,731	1,316,002	153,308
Exxon Company	289,378	57,511	.....	790,364	185,791	1,176,660	146,384
Farmers Union	1,028,952	56,026	8,683	366,062	372,797	949,610	882,910
Kenco Refining	.....	45,604	.....	.....	.....	45,604	.....
Phillips Petroleum	7,760	64,129	.....	.....	56,396	120,995	7,290
Wesco Refining Co.	13,519	141,415	.....	.....	.....	127,881	27,053
TOTALS	1,559,506	609,162	8,683	1,446,631	1,329,715	3,736,752	1,216,945

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL REFINED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
February, 1977	28,574	.....	50,335	60,769	139,678	20.46%	.....	36.03%	43.51%
February, 1978	21,756	310	51,665	47,490	121,221	17.95%	.26%	42.62%	39.17%

PRODUCERS' REPORT—MONTH OF FEBRUARY, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Arch Apex	4	1,085	581	—	—	1,666
1	Ash Creek	2	298	788	775	—	311
1	Bainville	1	2,085	657	754	—	1,988
—	Bannatyne	—	607	—	—	—	607
3	Bears Den	4	1,725	524	722	—	1,527
14	Bell Creek	169	13,121	636,939	633,031	1,878	15,151
—	Benrud	—	149	—	—	—	149
3	Benrud East	3	1,164	8,079	7,528	—	1,715
1	Benrud Northeast	1	615	336	—	—	951
—	Berthelote	—	351	—	—	—	351
2	Big Gully	2	953	824	1,179	—	598
2	Big Muddy Creek	2	2,323	5,809	5,522	—	2,610
5	Big Wall	15	1,663	5,590	5,871	—	1,382
1	Blackfoot	6	762	1,367	1,587	—	542
1	Blue Hill	1	895	648	519	—	1,024
5	Border	10	2,143	1,083	1,422	—	1,804
1	Boulder	1	956	1,500	1,500	—	956
1	Bowes	31	3,559	5,147	4,530	—	4,176
1	Bradley	1	923	486	607	—	802
—	Breed Creek	—	455	—	—	—	455
4	Brorson-Madison	4	3,115	1,004	2,492	—	1,627
2	Brorson-Red River	2	4,340	3,914	3,806	233	4,215
3	Brorson-Red River S.	3	1,036	1,540	1,552	—	1,024
5	Brush Lake	5	808	7,842	7,661	—	989
—	Burns Creek	—	136	—	—	—	136
2	Cabin Creek	85	—	119,259	119,259	—	—
2	Canal	2	1,491	2,147	2,084	—	1,554
5	Cat Creek	52	2,052	7,219	7,936	—	1,335
2	Charlie Creek	2	1,928	11,392	12,236	—	1,084
—	Clarks Fork	—	37	—	—	—	37
—	Clarks Fork North	—	242	—	—	—	242
1	Clarks Fork South	1	1,620	242	—	—	1,862
2	Clear Lake	2	865	8,141	8,066	—	940
—	Conrad South	—	90	—	—	—	90
1	Cow Creek	1	243	151	—	—	394
8	Cow Creek East	10	6,176	9,815	11,505	—	4,486
1	Culbertson	1	166	47	—	—	213
6	Cupton	9	4,497	4,762	4,259	—	5,000
84	Cut Bank	816	38,190	125,411	124,926	(17)	38,692
1	Dagmar	2	510	3,484	3,705	—	289
1	Dean Dome	1	1,106	395	1,437	—	64
1	Deer Creek	1	244	128	—	—	372
—	Delphia	—	56	—	—	—	56
—	Devils Basin	—	294	—	—	—	294
6	Dry Creek	6	1,053	2,493	2,376	—	1,170
2	Dwyer	10	4,261	10,287	10,207	—	4,341
3	Elk Basin	50	490	71,881	71,849	—	522
2	Elk Basin Northwest	4	1,318	964	948	—	1,334
4	Fairview	8	7,516	16,505	15,664	—	8,357
1	Fertile Prairie	1	189	212	212	—	189
3	Flat Coulee	19	2,861	9,751	10,175	—	2,437
5	Flat Lake	45	2,826	39,155	39,111	—	2,870
4	Flat Lake South	4	1,227	2,347	2,306	—	1,268
1	Fort Gilbert	2	1,041	4,089	4,564	—	566
1	Four Mile Creek	1	664	1,117	1,271	—	510
1	Four Mile Creek West	1	1,022	2,061	2,189	—	894
1	Frannie	1	—	700	700	—	—
7	Fred & George Creek	22	4,650	35,198	33,290	—	6,558
—	Froid South	—	584	—	—	—	584
—	Gage	—	35	—	—	—	35
3	Gas City	11	3,415	8,499	6,414	—	5,500
1	Girard	1	1,372	78	—	—	1,450
12	Glendive	15	4,107	15,024	16,189	—	2,942
—	Golden Dome	—	350	—	—	—	350
11	Goose Lake	18	4,264	11,572	12,123	—	3,713
12	Graben Coulee	35	5,225	3,251	3,900	84	4,492
—	Grandview East	—	377	—	—	—	377
3	Gumbo Ridge	4	4,389	178	—	—	4,567
2	Gypsy Basin	2	579	1,033	—	846	766
1	Hay Creek-Mission	1	131	1	32	100	—
2	Hay Creek-Red River	2	2,765	2,771	2,893	—	2,643
4	Hiawatha	4	2,710	4,313	4,170	—	2,853
1	Hibbard	1	896	272	421	—	747
7	High Five	14	3,458	23,088	23,496	(2)	3,052
—	Highview	—	25	—	—	—	25
1	Horse Creek	1	890	5	391	—	504
3	Howard Coulee	3	2,108	1,624	2,204	—	1,528
4	Ivanhoe	9	1,079	2,427	2,202	—	1,304
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	2,844	20,685	21,327	—	2,202
6	Keg Coulee	13	4,232	4,985	4,943	23	4,251
4	Keg Coulee North	4	1,931	1,925	2,169	3	1,684
1	Kelley	3	1,212	1,520	1,797	—	935
50	Kevin Sunburst	300	16,323	11,817	11,885	—	16,255
1	Laird Creek	3	1,687	671	1,592	—	766
—	Landslide Butte	—	221	—	—	—	221
4	Leary	4	2,593	2,960	3,410	9	2,134
2	Little Beaver	23	1,058	27,057	27,969	—	146
2	Little Beaver East	9	2,195	6,156	7,263	—	1,088
13	Little Wall Creek	14	4,919	15,145	15,853	7	4,204
1	Lodge Grass	1	505	557	—	—	1,062
1	Lone Butte	1	387	1,106	844	—	649
4	Lonetree Creek	4	3,007	5,497	5,448	(58)	3,114
1	Long Creek	1	280	558	502	—	336
2	Long Creek West	2	655	2,807	2,533	—	929
3	Lookout Butte (Coral Creek)	27	874	42,337	42,586	—	625
2	Mason Lake	2	651	81	351	—	381
3	Melstone	7	1,206	8,192	8,267	—	1,131
1	Mineral Bench	1	398	427	427	—	398
—	Miners Coulee	—	852	—	—	—	852

PRODUCERS' REPORT—MONTH OF FEBRUARY, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
10	MonDak West	10	7,068	32,409	28,650	—	10,827
10	Monarch	15	3,768	7,309	7,580	—	3,497
2	Mosser	2	—	562	562	—	—
1	Nohly	2	1,285	6,685	6,835	—	1,135
1	North Fork	2	878	3,387	3,598	—	667
4	Otis Creek	4	3,930	2,654	4,155	—	2,429
6	Outlook	7	1,259	9,647	9,268	—	1,638
1	Outlook South	1	1,155	489	884	—	760
2	Outlook West	2	1,511	246	—	—	1,757
1	Pennel	111	1,024	162,588	162,588	—	1,024
—	Phantom	—	562	—	—	—	562
4	Pine	100	15,006	148,299	149,333	—	13,972
56	Pondera	274	6,557	18,751	18,825	(52)	6,535
6	Poplar	59	7,771	31,322	30,918	—	8,175
9	Poplar Northwest	14	2,735	9,359	8,929	—	3,165
—	Prairie Elk	—	1,453	—	—	—	1,453
1	Prichard Creek	4	636	718	712	—	642
1	Putnam	2	516	158	355	—	319
2	Rabbit Hills	2	1,953	2,762	3,078	—	1,637
8	Ragged Point	21	3,802	3,361	3,636	(6)	3,533
1	Rattler Butte	1	409	264	408	—	265
2	Rattlesnake Coulee	2	1,128	94	690	—	532
2	Raymond	5	1,328	15,550	14,727	—	2,151
1	Raymond Northeast	1	201	252	216	—	237
3	Reagon	49	966	13,272	13,430	—	808
1	Red Creek	18	—	6,798	6,798	—	—
—	Red Fox	—	56	—	—	—	56
1	Redstone	1	147	830	728	—	249
1	Repeat	1	223	902	—	—	1,125
2	Reserve	2	2,443	1,336	1,244	—	2,535
1	Richey	1	661	246	248	—	659
1	Richey Southwest	3	924	306	661	—	569
1	RipRap Coulee	1	522	682	335	—	869
4	Rosebud	4	2,243	1,946	2,405	—	1,784
1	Rush Mountain	1	297	1,111	1,203	—	205
1	Salt Lake	2	433	341	187	—	587
2	Sand Creek	4	402	1,540	1,540	—	402
4	Second Creek	4	2,409	11,249	12,584	—	1,074
2	Sheepherder	3	424	146	—	—	570
1	Shotgun Creek, North	1	179	15	—	—	194
4	Sidney	4	2,079	4,262	4,269	—	2,072
7	Sioux Pass	7	4,563	19,347	19,135	—	4,775
1	Sioux Pass, East	1	391	521	468	—	444
2	Sioux Pass, Middle	2	909	5,971	5,875	—	1,005
5	Sioux Pass, North	5	3,941	7,915	9,037	—	2,819
1	Snyder	3	509	215	198	—	526
8	Soap Creek	23	3,423	3,877	4,712	—	2,588
2	South Fork	2	1,648	8,828	8,604	—	1,872
1	Spring Lake	1	417	300	—	—	717
1	Stensvad	3	2,387	2,150	3,387	—	1,150
22	Sumatra	95	9,710	126,623	127,320	63	8,950
4	Tule Creek	4	2,944	7,393	7,131	—	3,206
1	Tule Creek East	1	1,004	238	—	—	1,242
2	Tule Creek South	3	1,178	994	644	—	1,528
3	Utopia	4	1,405	3,145	3,529	—	1,021
3	Vaux	3	2,365	6,865	6,549	—	2,681
—	Vaux South	—	651	—	—	—	651
1	Vida	1	466	186	224	—	428
1	Viking	1	—	160	160	—	—
5	Volt	6	3,524	6,580	7,044	—	3,060
—	Wagon Box	—	201	—	—	—	201
1	Weed Creek	1	629	464	686	—	407
1	Weldon	1	1,331	435	784	—	982
—	West Butte	—	708	—	—	—	708
28	Whitlash	60	15,635	8,615	8,705	—	15,545
—	Whitlash West	—	284	—	—	—	284
2	Willow Creek North	2	549	635	775	—	409
1	Willow Ridge	2	—	217	217	—	—
3	Wills Creek South	3	—	3,029	3,029	—	—
3	Winnett Junction	6	695	6,979	6,985	—	689
2	Wolf Springs	2	2,358	870	206	—	3,022
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	306	1,652	1,534	—	424
2	Wright Creek	3	1,507	579	—	—	2,086
2	Wildcat, Big Horn County	2	579	1,310	645	—	1,244
—	Wildcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	244	346	74	(1)	517
8	Wildcat, Richland County	8	4,092	11,725	12,252	—	3,565
1	Wildcat, Roosevelt County	1	851	1,656	2,242	—	265
2	Wildcat, Sheridan County	2	269	8,184	7,722	—	731
—	Wildcat, Toole County	—	247	—	—	—	247
—	Wildcat, Wibaux County	—	96	—	—	—	96
677	TOTAL	2,982	374,177	2,152,482	2,156,386	3,110	367,163

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
January, 1978	2,556,786	82,477	2,531,436	81,659
February, 1978	2,152,482	76,874	2,156,386	77,014

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
January, 1978	374,177	1,438,865	1,559,506	3,372,548
February, 1978	367,163	1,448,771	1,216,945	3,032,879

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF FEBRUARY, 1978

Field NATURAL:	MC. Ft.
Alma	—0—
Bear's Den	—0—
Big Coulee	162,579
Big Rock	151,003
Black Coulee	2,517
Blackjack	34,156
Bowdoin	508,765
Bowes	81,703
Brown's Coulee	1,604
Bullwacker & Area	101,451
Canadian Coulee	60,328
Cedar Creek	161,069
Chip Creek	1,181
Clark's Fork, North	—0—
Coal Coulee	3,765
Conrad-Butte	6,861
Cut Bank (including Regan)	426,955
Dry Creek	97,047
Dry Creek, Middle	3,384
Dunkirk North	34,237
Ethridge	6,500
Flat Coulee	13,768
Fred & George	—0—
Fresno	9,310
Gold Butte	—0—
Grandview	—0—
Gypsy Basin	3,118
Hardin	552
Haystack Butte	22,725
Keith Block	108,209
Kevin Sunburst	43,136
Kevin Sunburst Nisku & Area	8,042
Kicking Horse	—0—
Kinyon Coulee Area	6,635
Lake Basin	34,101
Liscom Creek	19,507
Middle Butte	14,342
Miners Coulee	72,107
Mt. Lilly	13,810
Plevna	2,766
Prairie Dell	44,895
Pumpkin Creek	—0—
Rapelje	19,275
Rocky Boy Area	9,557
Sage Creek	—0—
Sawtooth Mountain & Area	124,632
Sherard	63,028
Strawberry Creek Area	5,947
Snoose Coulee	13,662
South Devon	11,866
South Shelby	43,593
Swanson Creek	4,025
Tiger Ridge	1,053,155
Trail Creek	—0—
Utopia	50,424
West Butte	—0—
Whitlash	112,433
Willow Ridge	7,073
TOTAL NATURAL GAS	3,780,798

Field ASSOCIATED:	MC. Ft.
Bell Creek	44,827
Big Muddy Creek	—0—
Blue Hill	434
Clark Fork, South	2,799
Coral Creek	3,133
Elk Basin	5,284
Fairview	25,878
Four Mile Creek	1,004
Four Mile Creek, West	1,382
Glendive	150
Otis Creek	1,359
Pennel	72
Richland	42,961
Sioux Pass	10,808
Sioux Pass, East	375
Sioux Pass, Middle	4,145
Sioux Pass, North	4,895
Sumatra	8,659
Tule Creek	1,918
TOTAL ASSOCIATED GAS	160,083
TOTAL WITHDRAWALS	3,940,881

Total withdrawals for February, 1977, were 4,230,885 MCF.